Author Index

Bang, A.G., see Flegel, W.A. (41) 155
Befort, N., see Stiegler, P. (41) 163
Billin, A.N., see Cockerill, K.A. (41) 139

Callahan, C.A., see Muralidhar, M.G. (41) 129
Cockerill, K.A., Billin, A.N. and Poole, S.J.
Regulation of expression domains and effects of ectopic expression reveal gap gene-like properties of the linked *pdm* genes of *Drosophila* (41) 139

Dirksen, M.-L., Mathers, P. and Jamrich, M.
Expression of a *Xenopus Distal-less* homeobox gene involved in forebrain and cranio-facial development (41) 121
Dolo, V., see Ghersi, G. (41) 47
Dreyer, C., see Ellinger-Ziegelbauer, H. (41) 33
Durliat, M., see Stiegler, P. (41) 163

Ellinger-Ziegelbauer, H. and Dreyer, C.
The pattern of retinoic acid receptor γ (RARγ) expression in normal development of *Xenopus laevis* and after manipulation of the main body axis (41) 33

Ferrandon, D., see Forlani, S. (41) 109
Flegel, W.A., Singson, A.W., Margolis, J.S., Bang, A.G., Posakony, J.W. and Murre, C.
Dpbx, a new homeobox gene closely related to the human proto-oncogene *pbx1*. Molecular structure and developmental expression (41) 155
Forlani, S., Ferrandon, D., Saget, O. and Mohier, E.
A regulatory function for K10 in the establishment of dorsoventral polarity in the *Drosophila* egg and embryo (41) 109

Gan, L., see Venuti, J.M. (41) 3
Gateff, E., Löffler, T. and Wismar, J.
A temperature-sensitive brain tumor suppressor mutation of *Drosophila melanogaster*: Developmental studies and molecular localization of the gene (41) 15
Ghersi, G., Salamone, M., Dolo, V., Levi, G. and Vittorelli, M.L.
Differential expression and function of cadherin-like proteins in the sea urchin embryo (41) 47
Gilbert, S.F. and Saxén, L.
Spemann's organizer: models and molecules (41) 73

Hourdry, J., see Stiegler, P. (41) 163

Jamrich, M., see Dirksen, M.-L. (41) 121

Klein, W.H., see Venuti, J.M. (41) 3
Kozlowski, M.T., see Venuti, J.M. (41) 3

Lake, J.-A., see Lockett, T.J. (41) 57
Levi, G., see Ghersi, G. (41) 47
Lockett, T.J., Moretti, P.A.B., Lake, J.-A. and Saint, R.
The *rough* genes with *Deformed* homeobox substitutions exhibit *rough* regulatory specificity during *Drosophila* eye development (41) 57
Löffler, T., see Gateff, E. (41) 15

Margolis, J.S., see Flegel, W.A. (41) 155
Mathers, P., see Dirksen, M.-L. (41) 121
Meyer, D., see Stiegler, P. (41) 163
Mohier, E., see Forlani, S. (41) 109
Moretti, P.A.B., see Lockett, T.J. (41) 57
Muralidhar, M.G., Callahan, C.A. and Thomas, J.B.
Single-minded regulation of genes in the embryonic midline of the *Drosophila* central nervous system (41) 129
Murre, C., see Flegel, W.A. (41) 155

Poole, S.J., see Cockerill, K.A. (41) 139
Posakony, J.W., see Flegel, W.A. (41) 155

Remy, P., see Stiegler, P. (41) 163

Saget, O., see Forlani, S. (41) 109
Saint, R., see Lockett, T.J. (41) 57
Salamone, M., see Ghersi, G. (41) 47
Saxén, L., see Gilbert, S.F. (41) 73
Sénan, F., see Stiegler, P. (41) 163
Singson, A.W., see Flegel, W.A. (41) 155
Slack, J.M.W.
Embryonic induction (41) 91
Stiegler, P., Wolff, C.-M., Meyer, D., Sénan, F., Durliat, M., Hourdry, J., Befort, N. and Remy, P.
The c-*ets-1* proto-oncogenes in *Xenopus laevis*: expression during oogenesis and embryogenesis (41) 163

Thomas, J.B., see Muralidhar, M.G. (41) 129

Venuti, J.M., Gan, L., Kozlowski, M.T. and Klein, W.H.
Developmental potential of muscle cell progenitors and the myogenic factor SUM-1 in the sea urchin embryo (41) 3
Vittorelli, M.L., see Ghersi, G. (41) 47

Wismar, J., see Gateff, E. (41) 15
Wolff, C.-M., see Stiegler, P. (41) 163

Subject Index

Activin
Induction; *Drosophila*; Decapentaplegic; *Xenopus*; Fibroblast growth factor; *Wnt*; Bone morphogenetic protein; Kidney; Limb; Retinoic acid (Slack, J.M.W. (41) 91)

Body axis
Retinoic acid receptor γ(RARγ); Immunodetection; Pattern formation (Ellinger-Ziegelbauer, H. (41) 33)

Bone morphogenetic protein
Induction; *Drosophila*; Decapentaplegic; *Xenopus*; Fibroblast growth factor; Activin; *Wnt*; Kidney; Limb; Retinoic acid (Slack, J.M.W. (41) 91)

Brain tumor suppressor gene
Drosophila; *lethal(3)malignant brain tumor (l(3)mbt)*; Temperature-sensitive (Gateff, E. (41) 15)

Cadherin
Cell adhesion; Development; Sea urchin (Ghersi, G. (41) 47)

Cell adhesion
Cadherin; Development; Sea urchin (Ghersi, G. (41) 47)

Cement gland
Distal-less; *Forebrain*; Homeobox; Neural crest; Retina; Visceral arch; *Xenopus* (Dirksen, M.-L. (41) 121)

Central nervous system
Dpbx; *pbx* gene family; Proto-oncogene; Homeobox gene; Homeodomain; *Drosophila melanogaster* development (Flegel, W.A. (41) 155)

Decapentaplegic
Induction; *Drosophila*; *Xenopus*; Fibroblast growth factor; Activin; *Wnt*; Bone morphogenetic protein; Kidney; Limb; Retinoic acid (Slack, J.M.W. (41) 91)

Deformed
Homeodomain; Homeobox; Eye development; *rough* (Lockett, T.J. (41) 57)

Development
Cell adhesion; Cadherin; Sea urchin (Ghersi, G. (41) 47)

Drosophila; *single-minded*; bHLH protein (Muralidhar, M.G. (41) 129)

Proto-oncogene; *ets* gene family; Transcription factor; Maternal mRNA; *Xenopus* (Stiegler, P. (41) 163)

Developmental genetics
Dorsoventral pattern; Oogenesis; *Drosophila*; *fs(1)K10*; *gurken* (Forlani, S. (41) 109)

Distal-less
Cement gland; *Forebrain*; Homeobox; Neural crest; Retina; Visceral arch; *Xenopus* (Dirksen, M.-L. (41) 121)

Dorsoventral pattern
Developmental genetics; Oogenesis; *Drosophila*; *fs(1)K10*; *gurken* (Forlani, S. (41) 109)

Dpbx
pbx gene family; Proto-oncogene; Homeobox gene; Homeodomain; Central nervous system; *Drosophila melanogaster* development (Flegel, W.A. (41) 155)

Drosophila
Brain tumor suppressor gene; *lethal(3)malignant brain tumor (l(3)mbt)*; Temperature-sensitive (Gateff, E. (41) 15)

Induction; Decapentaplegic; *Xenopus*; Fibroblast growth factor; Activin; *Wnt*; Bone morphogenetic protein; Kidney; Limb; Retinoic acid (Slack, J.M.W. (41) 91)

Developmental genetics; Dorsoventral pattern; Oogenesis; *fs(1)K10*; *gurken* (Forlani, S. (41) 109)

Development; *single-minded*; bHLH protein (Muralidhar, M.G. (41) 129)

POU domain; Gap gene; Segmentation (Cockerill, K.A. (41) 139)

***Drosophila melanogaster* development**
Dpbx; *pbx* gene family; Proto-oncogene; Homeobox gene; Homeodomain; Central nervous system (Flegel, W.A. (41) 155)

***ets* gene family**
Proto-oncogene; Transcription factor; Maternal mRNA; Development; *Xenopus* (Stiegler, P. (41) 163)

Eye development
Homeodomain; Homeobox; *rough*; *Deformed* (Lockett, T.J. (41) 57)

Fibroblast growth factor
Induction; *Drosophila*; Decapentaplegic; *Xenopus*; Activin; *Wnt*; Bone morphogenetic protein; Kidney; Limb; Retinoic acid (Slack, J.M.W. (41) 91)

Forebrain
Cement gland; Distal-less; Homeobox; Neural crest; Retina; Visceral arch; *Xenopus* (Dirksen, M.-L. (41) 121)

Gap gene
POU domain; Segmentation; *Drosophila* (Cockerill, K.A. (41) 139)

gurken
Developmental genetics; Dorsoventral pattern; Oogenesis; *Drosophila*; *fs(1)K10* (Forlani, S. (41) 109)

bHLH protein
Drosophila; Development; *single-minded* (Muralidhar, M.G. (41) 129)

Homeobox
Homeodomain; Eye development; *rough*; *Deformed* (Lockett, T.J. (41) 57)

Cement gland; Distal-less; *Forebrain*; Neural crest; Retina; Visceral arch; *Xenopus* (Dirksen, M.-L. (41) 121)

Homeobox gene
Dpbx; *pbx* gene family; Proto-oncogene; Homeodomain; Central nervous system; *Drosophila melanogaster* development (Flegel, W.A. (41) 155)

Homeodomain
Homeobox; Eye development; *rough*; *Deformed* (Lockett, T.J. (41) 57)

Dpbx; *pbx* gene family; Proto-oncogene; Homeobox gene; Central nervous system; *Drosophila melanogaster* development (Flegel, W.A. (41) 155)

Immunodetection
Retinoic acid receptor γ(RARγ); Body axis; Pattern formation (Ellinger-Ziegelbauer, H. (41) 33)

Induction
Drosophila; Decapentaplegic; *Xenopus*; Fibroblast growth factor; Activin; *Wnt*; Bone morphogenetic protein; Kidney; Limb; Retinoic acid (Slack, J.M.W. (41) 91)

fs(1)K10
Developmental genetics; Dorsoventral pattern; Oogenesis; *Drosophila*; *gurken* (Forlani, S. (41) 109)

Kidney
Induction; *Drosophila*; Decapentaplegic; *Xenopus*; Fibroblast growth factor; Activin; *Wnt*; Bone morphogenetic protein; Limb; Retinoic acid (Slack, J.M.W. (41) 91)

lethal(3)malignant brain tumor (l(3)mbt)
Brain tumor suppressor gene; *Drosophila*; Temperature-sensitive (Gateff, E. (41) 15)

Limb
Induction; *Drosophila*; Decapentaplegic; *Xenopus*; Fibroblast growth factor; Activin; *Wnt*; Bone morphogenetic protein; Kidney; Retinoic acid (Slack, J.M.W. (41) 91)

Maternal mRNA
Proto-oncogene; *ets* gene family; Transcription factor; Development; *Xenopus* (Stiegler, P. (41) 163)

Myogenesis
Sea urchin embryo; Myogenic regulatory factor (Venuti, J.M. (41) 3)

Myogenic regulatory factor
Sea urchin embryo; Myogenesis (Venuti, J.M. (41) 3)

Neural crest
Cement gland; Distal-less; *Forebrain*; Homeobox; Retina; Visceral arch; *Xenopus* (Dirksen, M.-L. (41) 121)

Neural induction
Spemann; Organizer (Gilbert, S.F. (41) 73)

Oogenesis
Developmental genetics; Dorsoventral pattern; *Drosophila*; *fs(1)K10*; *gurken* (Forlani, S. (41) 109)

Organizer
Spemann; Neural induction (Gilbert, S.F. (41) 73)

Pattern formation
Retinoic acid receptor γ(RARγ); Immunodetection; Body axis (Ellinger-Ziegelbauer, H. (41) 33)

***pbx* gene family**
Dpbx; Proto-oncogene; Homeobox gene; Homeodomain; Central nervous system; *Drosophila melanogaster* development (Flegel, W.A. (41) 155)

POU domain
Gap gene; Segmentation; *Drosophila* (Cockerill, K.A. (41) 139)

Proto-oncogene
Dpbx; *pbx* gene family; Homeobox gene; Homeodomain; Central nervous system; *Drosophila melanogaster* development (Flegel, W.A. (41) 155)

ets gene family; Transcription factor; Maternal mRNA; Development; *Xenopus* (Stiegler, P. (41) 163)

Retina
Cement gland; Distal-less; *Forebrain*; Homeobox; Neural crest; Visceral arch; *Xenopus* (Dirksen, M.-L. (41) 121)

Retinoic acid
Induction; *Drosophila*; Decapentaplegic; *Xenopus*; Fibroblast growth factor; Activin; *Wnt*; Bone morphogenetic protein; Kidney; Limb (Slack, J.M.W. (41) 91)

Retinoic acid receptor γ(RARγ)
Immunodetection; Body axis; Pattern formation (Ellinger-Ziegelbauer, H. (41) 33)

rough
Homeodomain; Homeobox; Eye development; *Deformed* (Lockett, T.J. (41) 57)

Sea urchin
Cell adhesion; Cadherin; Development (Ghersi, G. (41) 47)

Sea urchin embryo
Myogenesis; Myogenic regulatory factor (Venuti, J.M. (41) 3)

Segmentation
POU domain; Gap gene; *Drosophila* (Cockerill, K.A. (41) 139)

single-minded
Drosophila; Development; bHLH protein (Muralidhar, M.G. (41) 129)

Spemann
Organizer; Neural induction (Gilbert, S.F. (41) 73)

Temperature-sensitive
Brain tumor suppressor gene; *Drosophila*; *lethal(3)malignant brain tumor (l(3)mbt)* (Gateff, E. (41) 15)

Transcription factor
Proto-oncogene; *ets* gene family; Maternal mRNA; Development; *Xenopus* (Stiegler, P. (41) 163)

Visceral arch
Cement gland; Distal-less; *Forebrain*; Homeobox; Neural crest; Retina; *Xenopus* (Dirksen, M.-L. (41) 121)

Wnt
Induction; *Drosophila*; Decapentaplegic; *Xenopus*; Fibroblast growth factor; Activin; Bone morphogenetic protein; Kidney; Limb; Retinoic acid (Slack, J.M.W. (41) 91)

Xenopus
Induction; *Drosophila*; Decapentaplegic; Fibroblast growth factor; Activin; *Wnt*; Bone morphogenetic protein; Kidney; Limb; Retinoic acid (Slack, J.M.W. (41) 91)

Cement gland; Distal-less; *Forebrain*; Homeobox; Neural crest; Retina; Visceral arch (Dirksen, M.-L. (41) 121)

Proto-oncogene; *ets* gene family; Transcription factor; Maternal mRNA; Development (Stiegler, P. (41) 163)